



Prifysgol Cymru  
Y Drindod Dewi Sant  
University of Wales  
Trinity Saint David

200  
1822 - 2022

# LEVEL TWO, THREE AND FOUR WORK BASED LEARNING

Level Two Award in Health Informatics  
Level Three Diploma in Health Informatics  
Level Four Certificate in Health Informatics



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Cymru



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## Qualifications in Health Informatics Developed by NWISD



The Welsh Government has released funding for portfolio based Further Education learning delivered in the work place for those studying at Levels 2, 3 and 4.

### What is Work Based Learning?

Coleg Sir Gar, Part of the UWTSD Group have developed in partnership with DHCW a fully online portfolio of qualifications which can be studied anywhere in Wales and are underpinned by real work experiences.

All learners are supported via a ridged weekly timetable, email and video conference.

The course is extremely flexible as set tasks can be studied at anytime during the timetabled week

Work Based Learning is a great way to learn and improve skills which can be applied within the work place.

You must be employment within a suitable role where you can evidence new and existing skills developed on the qualification.

Due to the nature of the online support provided enrolments can take place 50 weeks a year.

## About the role:

Health Informatics is an emerging discipline within healthcare, however the recording and communication of information has always been essential to the practice of healthcare. Establishing Health Informatics as a recognised profession in health and care has been central to the national informatics development strategy for the last 10 years.

It is estimated that there are more than 3,000 people working in informatics roles in the NHS in Wales. There are now qualifications to support Health Informatics roles at Career Framework Levels 2, 3 and 4. Work Based Learning is seen as being key to supporting recruitment and retention at this level of the profession and to providing the first step of a career pathway.

The following definition is generally agreed to sum up the scope of health informatics, “The knowledge, skills and tools which enable information to be collected, managed, used and shared to support the delivery of healthcare and to promote health” (NHS Careers, 2011).



## WORKFORCE SOLUTIONS

### Level 2 Award

A 6 month course which is aimed at those who are either looking to progress into a role within medical data or are very new to such a role.

### Level 3 Diploma

An 18 month course which is aimed at those who are experienced at working within a role that involves medical data.

### Level 4 Certificate

An 18 month course is aimed at those who are working within Health Informatics and have a role within system design and/or programming of medical data systems.

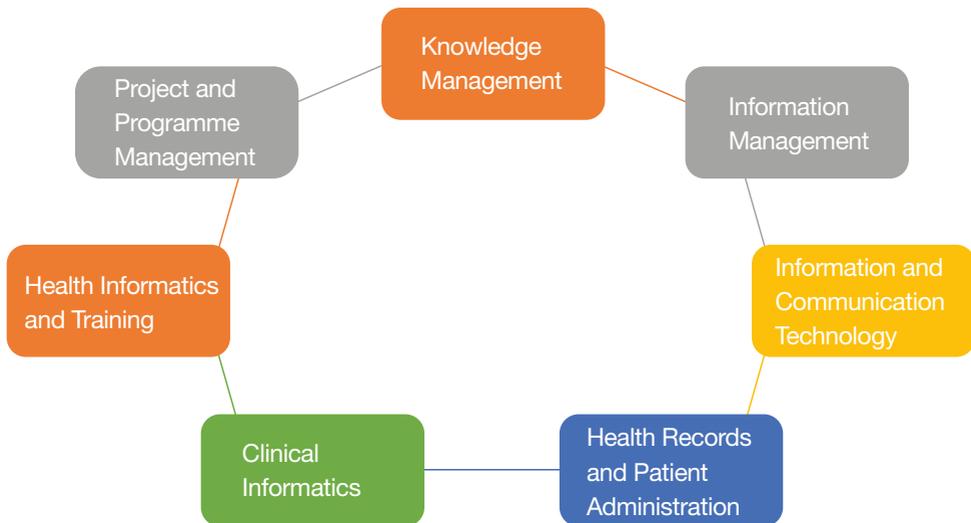


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and Care Wales

A workforce for the future

Health Informatics is concerned with the effective use of data, information, knowledge and technology to support and improve health and health care delivery. As a profession, Health Informatics includes people working in a wide range of roles, which have been grouped together into seven disciplines:



Informatics in health and care is becoming an increasingly important profession as information and ICT systems become more and more part of the way services are delivered and supported.

Work is being undertaken to continually refine and define roles within Health Informatics and to develop the qualifications needed to support occupational competence in those roles. More information about the Health Informatics Career Framework can be found at <https://www.hicf.org.uk>

Government policy in the area of health and care focuses on the need for an “information revolution” which provides further incentive to drive up informatics knowledge and skills across the workforce.

Importantly, this impacts on the capacity and capability of informatics specialists to support and enable new ways of working. Establishing career and qualification pathways in health informatics is a central strand of informatics policy.

Traditionally people have tended to move into Health Informatics from other fields in health e.g. admin.

This Qualification has been developed to provide a direct entry route into the discipline of health informatics for people with little or no experience of the health sector or informatics. It can lead on to an exciting and fulfilling career.

## Level 2 Award in Health Informatics



This qualification is perfect for those looking to develop a career within a role that supports medical data or have just started a new role in such an area.

There are no entry requirements however you must be working within the health sector and have the ability to submit written assessments in Welsh or English – however we do not require you to have completed an Essential Skill or GCSE in Welsh or English before enrolment.

### Key Features

- Study Online anywhere with a stable internet connection
- Fully supported by experienced tutors
- Accredited Qualification

- Full Funded
- Six Month Duration
- Weekly Assessments
- Progression route onto the Level 3 Diploma

### Additional Support (Optional)

Additional support is available to those who wish to complete additional learning in order to support career progression and these include online, or face to face where available, courses on subjects such as Presentations, Application Forms, CV Writing, Preparing for Interviews, Maths, English, Welsh plus many more.

## Level 2 Award

12 Credits

### Module 1

Store and Retrieve Information

3 Credits

5 Weeks

### Module 2

Research Information

2 Credits

5 Weeks

### Module 3

Organise and Report Data

3 Credits

5 Weeks

### Module 4

Essentials in Health Informatics

2 Credits

10 Weeks

A workforce for the future

## Level 3 Award in Health Informatics



This qualification is perfect for those with roles that involve the handling and management of electronic and paper based data and information, using IT and manual systems. This could include day-to-day management of patient records, validation and coding of data and the analysis, reporting and use of data to support the quality of information.

There are no entry requirements however if you have not successfully completed 5 GCSEs at Grades C-A\* we recommend that you complete the Level 2 Award before enrolling onto this Level 3 qualification.

**Welcome to this session on Health Informatics**

In this lesson you will cover:

- What is a psychomotor teaching strategy?
- How do the key national guidelines define this?

At the end of this session, you will have an assessment of 5 multiple choice questions

### Key Features

- Study Online anywhere with a stable internet connection
- Fully supported by experienced tutors
- Accredited Qualification
- Full Funded
- 18 Month Duration
- Weekly Assessments

**Psychomotor Domain of Learning**

In teaching and training, **the psychomotor domain of learning** is considered to be one of the three main domains of learning. Visit each button below for more information on each domain.

Cognitive      Affective      Psychomotor

In academic terms...  
Training others using the teaching strategies of the psychomotor domain means using demonstration and instruction to share skills and knowledge. I.e. movement, co-ordination, manipulation, dexterity, strength and speed.

There are six mandatory units which total 17 credits and it is recommended that these are completed within the first 6-9 months of your enrolments.

Promote Good Practice in Handling Information in Health and Social Care Settings.

Manage own performance in a business environment.

Identify information requirements in a health context.

Managing Health Informatics in Healthcare Settings.

Principles of Managing Information and Producing Documents.

Communication Skills for Working in the Health Sector.

You will then select a number of optional units which total a minimum of 35 credits.

## Optional Modules

Maintaining Quality Standards in the Health Sector

Service Improvement in the Health Sector

Deliver, monitor and evaluate customer service to external customers

Analyse and present health related data and information (linked to Analyse and report data)

Deliver Training Through Demonstration and Instruction

Understanding Bilingualism in Work

Specialist Software

IT Security for Users

Word Processing Software

Spreadsheet Software

Creating a Procedural Computer Program

Database Software

Principles of Managing Information and Producing Documents in a Business Environment

Contribute to Decision-making in a Business Environment

Data Management Software

Manage and Evaluate an Information System

Principles of Working in the Public Sector

Communicate in a business environment

## Level 4 Award in Health Informatics



The qualification is currently aligned for the following roles, however this is in review and additional modules may be added to include additional pathways for those who wish to progress from Level 3. Currently the four career pathways that would benefit from this qualification include:

### **ICT Support Technician**

Assist in the delivery of ICT support. Including resolving IT support calls, performing installations, configurations, relocation and decommissioning of computer hardware and software; fault-finding and rectifying problems; promoting good practice in the use of hardware and software and IT security.

### **ICT Test Analyst**

Develops testing plans, scripts etc; Systems and Integration Testing (SIT), Operational Acceptance Testing (OAT), User Assurance Testing (UAT), Regression Testing and Performance. It might also include: hands-on testing to build application expertise and ensure project deadlines are met.



## Information Analyst

Provide analytical support to facilitate clinical decision making, service development and performance management. Facilitating data quality; communicating effectively with stakeholders; providing advice and support which might also involve providing education and training to others.

## Senior IT Specialist

Develop, maintain and support relevant systems for Infrastructure Support Operations Centre in own area and in accordance with specifications and operational requirements. The Infrastructure Support Operations Centre team are responsible for providing, monitoring, reporting and gathering data.

## Key Features

Study Online anywhere with a stable internet connection.

Fully supported by experienced tutors.

Accredited Qualification.

Full Funded.

18 Month Duration.

Weekly Assessments.

UWTSD APEL Recognition.

Pick and Mix Modules up to the value of 36 credits.

## Mandatory Modules:

Analyse and Report on Health Related Data and Information

Promote Good Practice in Handling Information in Health Settings

## Optional Modules:

Understanding Bilingualism in Work

Plan and Manage a Project

Statistical Analysis of Data Sets

Testing the Security of Information Systems

Project Management Software

Quality Management of Digital Products and Services

IT System Operation 2

Networking Principles

Software Design

Principles of Information Security Testing

Spreadsheet Software

Data Analysis

The Principles of Health Records Management



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